|          | Index of Claims                        |          |           |          |               |              |               |                   |          |               |          |      |          | Application No. |       |         |          |           |   |          |             |       | A          | Applicant(s) 10-081985 |                     |           |          |                 |          |           |          |           |  |
|----------|--|----------|-----------|----------|---------------|--------------|---------------|-------------------|----------|---------------|----------|------|----------|-----------------|-------|---------|----------|-----------|---|----------|-------------|-------|------------|------------------------|---------------------|-----------|----------|-----------------|----------|-----------|----------|-----------|--|
|          |  |          |           |          |               |              |               |                   |          |               |          |      |          |                 |       | Exa     | mi       | ner       |   |          | <del></del> |       |            |                        | A                   |           | Uni      |                 | · · ·    | -         |          |           |  |
|          |  | <b>1</b> | R         | eje      | ecte          | ed           |               |                   | _        |               | (Thro    | ug   | h nu     | ıme             | ral   | 1)      |          | N         | ı | Von      | -Elec       | cted  |            | A                      |                     | -         | \pr      | oea             |          |           |          |           |  |
|          |  | =        | Α         | llo      | we            | ed           |               |                   | ÷        |               | F        | ≀es  | trict    | ted             |       |         |          | ı         | ı | nte      | rfere       | nce   |            | 0                      |                     | 0         | bje      | cte             | ed       |           |          |           |  |
| CI       | aim                                    |          | _         |          |               | Dat          | е_            |                   |          |               |          | lain | n T      |                 | _     |         | Dat      | <u></u> - |   |          |             |       | laim       | T                      |                     | _         |          | Date            |          |           |          |           |  |
| Final    | Original                               |          |           |          |               |              |               |                   |          |               | Final    |      | Original |                 |       |         |          |           |   |          |             | Final | 1 -        |                        |                     |           |          |                 | ĺ        |           |          |           |  |
|          | ــــــــــــــــــــــــــــــــــــــ |          |           | _        | -             | -            | <u> </u>      | -                 | -        | $\vdash$      | _        | L    | 51       | +               | +     | +       |          |           | _ | -        | _           | -     | 101        | ┼                      | Н                   | 4         |          |                 | -        |           |          | -         |  |
|          | $\binom{1}{2}$                         |          |           |          |               |              |               |                   | L        |               |          |      | 52       |                 | T     |         |          |           |   |          |             |       | 102        |                        |                     |           |          |                 |          |           |          |           |  |
|          | 3                                      |          |           | _        |               |              |               | F                 | _        | П             |          |      | 53       |                 | 1     | Ŧ       | -        |           | _ | 1        | _           | _     | 103        | $\vdash$               |                     | _         |          |                 | 4        |           |          | 4         |  |
|          | 5                                      |          | _         | -        | <del> </del>  | 1            | $\vdash$      | +                 | +        | $\vdash$      | -        | +    | 54       | +-              | +     | +       | +        | $\vdash$  |   | +        | $\dashv$    | -     | 104        | +-                     | $\vdash$            |           | Н        | $\vdash$        | $\dashv$ |           | $\dashv$ | $\dashv$  |  |
|          | 6                                      |          |           |          |               |              | L             |                   |          |               |          | 5    | 56       | 1               | 1     | 1       | -        |           |   |          | $\exists$   |       | 106        | I                      |                     |           |          |                 |          |           |          | $\exists$ |  |
| -        | 7<br>(8)                               | $\vdash$ | _         | -        | +             | -            | $\vdash$      | $\vdash$          | +-       | $\vdash \mid$ | -        | 1    | 57<br>58 | +               | +     | +       | +        | $\vdash$  | - | -        | $\dashv$    | -     | 107<br>108 | +-                     | $\vdash$            | $\dashv$  | -        | $\vdash$        |          | -         | -        | $\dashv$  |  |
|          | 9                                      |          |           |          |               |              | L             |                   |          |               |          |      | 59       |                 | 士     |         |          |           |   |          |             |       | 109        |                        |                     | $\exists$ |          |                 | 二        |           |          | $\exists$ |  |
|          | 11                                     |          |           | <u> </u> | -             | <u> </u>     | -             | -                 | -        |               | -        |      | 60<br>61 | $\perp$         | -     | +       | -        | Н         | _ | -        | $\dashv$    | -     | 110<br>111 | 1                      | $\vdash$            | _         | $\vdash$ |                 | -        |           | $\dashv$ | $\dashv$  |  |
|          | 12                                     | -        |           | -        | -             | ├            | ╁╴            | ╁                 | -        | $\vdash$      | -        | 1    | 32       | +               | ╁     | +       | F        | H         |   | $\vdash$ | $\dashv$    | -     | 112        | +                      | H                   |           |          |                 |          |           | $\dashv$ | $\dashv$  |  |
|          | 13                                     |          |           |          |               |              | L             | L                 |          |               |          | 16   | 33       | I               | ļ     |         |          |           |   |          | $\Box$      |       | 113        |                        |                     |           |          |                 |          |           |          | $\Box$    |  |
| -        | 14<br>15                               | -        |           | _        | -             | -            | -             | ⊢                 | -        | $\vdash$      |          | 16   | 64<br>65 | +               | +     | ╁       | ├-       |           |   | -        | $\dashv$    | -     | 114<br>115 | $\vdash$               |                     | -         | _        |                 |          | -         | -        | -         |  |
|          | <b>(</b>                               | -        |           | $\vdash$ |               | -            | 1             | $\vdash$          | -        | $\vdash$      |          | (    | 66       | $\top$          | 1     | $\perp$ |          |           | _ |          |             |       | 116        |                        |                     |           |          |                 |          |           |          |           |  |
|          |  |          |           |          |               |              |               | L                 | L        |               |          |      | 57       | $\bot$          |       | 1       |          |           |   |          |             |       | 117        | $oxed{\Box}$           |                     |           |          |                 |          |           | _        | 4         |  |
| -        | 18<br>19                               |          |           |          | -             | -            | $\vdash$      | $\vdash$          | -        | H             | -        |      | 58<br>59 | +               | +     | +       | +-       | $\vdash$  |   | $\vdash$ | $\dashv$    | -     | 118<br>119 | -                      |                     | -         |          |                 | $\dashv$ | $\dashv$  | -        | $\dashv$  |  |
|          | 20                                     |          |           |          |               | L            |               |                   |          |               |          | 7    | 70       |                 |       |         |          |           |   |          |             |       | 120        |                        |                     |           |          |                 |          |           |          |           |  |
| <u> </u> | 21                                     | <u> </u> |           |          | -             | _            | <u> </u>      | <u> </u>          | _        | $\vdash$      | -        | 17   | 71       | +               | +     | +       | ├-       |           |   | -        | _           | _     | 121<br>122 | ⊢                      | $\vdash$            |           |          |                 |          |           | -        | -         |  |
| -        | 22                                     |          | -         |          | -             | -            |               | ┢                 | -        | $\vdash$      | -        |      | 73       | +               | +     | ╁       | ╁╌       |           |   |          | $\dashv$    | -     | 123        |                        |                     | -         |          | $\exists$       | -        | +         | -        | $\dashv$  |  |
|          | 23<br><b>(20)</b><br>24)               |          |           |          |               |              |               |                   |          |               |          | 7    | 74       | 1               | I     |         |          |           |   |          |             |       | 124        | Ţ                      |                     |           |          |                 |          |           |          |           |  |
| -        | <b>2</b>                               |          | _         |          | -             | -            | -             | -                 | -        | -             | -        |      | 75<br>76 | +               | +-    | +       | ╀        |           |   | $\vdash$ | $\dashv$    | -     | 125<br>126 | <del> </del>           | $\vdash$            |           |          | -               | -        | $\dashv$  | -        | $\dashv$  |  |
| -        | 27                                     |          |           |          |               | H            | -             | -                 | ┢        |               |          | 1    | 77       | +               | +     | +       | $\vdash$ | $\vdash$  |   |          |             |       | 127        |                        |                     |           |          |                 |          |           |          | ╛         |  |
|          | 28                                     |          |           |          | ļ             |              |               | L                 |          |               |          | 7    | 78       |                 | Į     | 1       |          |           |   | L        |             |       | 128        | _                      |                     | _         |          |                 | _]       |           | -        | _         |  |
| -        | 29<br>30                               | Н        |           | -        | -             |              | -             | $\vdash$          | -        | Н             | -        |      | 79<br>30 | +               | +     | +       | -        | Н         | _ | ╁┤       |             | -     | 129<br>130 | +                      | $\vdash$            |           | $\dashv$ | $\dashv$        |          | $\dashv$  | $\dashv$ | $\dashv$  |  |
|          | 31                                     |          |           |          |               |              |               |                   |          |               |          | 1    | 31       |                 | 1     | 1       |          |           |   |          |             |       | 131        |                        |                     |           |          |                 |          |           |          | $\exists$ |  |
| _        | 32<br>33                               |          |           |          | <u> </u>      |              | $\sqsubseteq$ | -                 | -        | $\square$     | _        |      | 32<br>33 | 4               | +     | 4-      | $\vdash$ | H         |   | <u> </u> | $\dashv$    | -     | 132<br>133 | {-                     | $\vdash \downarrow$ | -         |          | -               | -        | $\dashv$  |          | $\dashv$  |  |
| -        | 34                                     |          | $\dashv$  | _        | <del> </del>  | -            | -             | -                 | $\vdash$ | $\vdash$      | -        |      | 34       | +               | +     | +-      | $\vdash$ | $\vdash$  | _ | +        | $\dashv$    | -     | 134        | $\dagger$              | $\vdash$            | $\dashv$  | $\dashv$ | $\vdash \dashv$ |          |           | $\dashv$ | $\dashv$  |  |
|          | 35                                     |          |           |          |               |              |               |                   |          |               |          | 8    | 35       |                 | 1     | 1       |          |           |   |          | $\exists$   |       | 135        |                        |                     |           |          |                 |          |           | 4        |           |  |
|          | 36<br>37                               | $\vdash$ | -{        |          |               | -            | _             | -                 | -        | $\vdash$      | -        |      | 36<br>37 | +               | +     | +       | $\vdash$ | Н         | _ | $\vdash$ |             | -     | 136<br>137 | -                      | $\vdash$            | $\dashv$  |          | $\vdash$        | $\dashv$ | -         |          | $\dashv$  |  |
|          | 38                                     |          | $\dashv$  |          |               |              |               |                   |          |               | _        | 8    | 38       | $\pm$           | $\pm$ | 1       |          |           | _ |          |             |       | 138        |                        |                     |           |          |                 |          |           |          | $\exists$ |  |
|          | 39                                     |          | $\exists$ |          | $\sqsubseteq$ |              |               | $\left[ -\right]$ | [-       |               |          |      | 39       |                 | F     | F       | F        |           |   | Ē        | _           |       | 139<br>140 | <del> </del>           | $\vdash$            | _         | $\vdash$ |                 | $\dashv$ |           |          |           |  |
| -        | 40<br>41                               | $\vdash$ |           | <u> </u> | -             | -            | <del> </del>  | +                 | $\vdash$ | $\vdash$      | -        |      | 90       | +               | +     | +-      | +        | H         | _ |          | $\dashv$    |       | 141        | ╁                      | $\vdash$            | -         | H        | $\vdash$        |          | $\dashv$  | $\dashv$ | $\dashv$  |  |
|          | 42                                     |          |           |          |               |              |               |                   |          | 口             |          | 2    | 92       |                 | 1     |         |          |           |   |          |             |       | 142        |                        | 口                   |           |          |                 |          |           |          | $\exists$ |  |
| }        | 43<br>44                               |          | $\dashv$  | _        | -             | <u> </u>     | L             | -                 | <u> </u> | $\sqcup$      |          |      | 93       | +               | +-    | +       | ├-       | $\vdash$  | _ |          | _           | -     | 143<br>144 | +                      | ┟┤                  |           | Н        | $\dashv$        | $\dashv$ | $\dashv$  | -        | $\dashv$  |  |
| -        | 44                                     | Н        | $\dashv$  |          | -             | <del> </del> | $\vdash$      | +                 | -        | Н             | <u> </u> | 1 5  | 14       | +-              | +     | +       | +        | Н         | _ | $\vdash$ | $\dashv$    | -     | 145        | $t^-$                  | H                   | $\dashv$  | $\vdash$ | $\dashv$        |          | $\exists$ |          | $\dashv$  |  |
|          | 46                                     |          |           |          |               |              |               |                   |          |               |          | 9    | 96       | 1               | I     | I       |          | П         |   |          |             |       | 146        |                        |                     |           |          |                 | $\Box$   |           |          |           |  |
|          | 47<br>48                               |          | _         |          | -             | -            | -             | -                 | -        | $\vdash$      | -        |      | 97       | +               | +     | -       | -        | Н         |   | -        | $\dashv$    | -     | 147<br>148 | +-                     | $\vdash$            | $\dashv$  | H        |                 | -        | $\dashv$  | -        | $\dashv$  |  |
| -        | 48                                     | $\vdash$ | $\dashv$  |          | <del> </del>  | -            | -             | -                 | ╁        | H             | -        |      | 99       | +               | +-    | +-      | +        | H         | - |          | _           |       | 149        | Π                      | H                   |           |          |                 |          | $\exists$ | _        | $\exists$ |  |
|          | 50                                     | П        |           |          |               | $\vdash$     | Г             | 1                 | $\vdash$ | П             |          |      | 00       | 1               | 1     | T       |          |           |   |          |             |       | 150        |                        |                     |           |          |                 |          |           |          |           |  |